

## Claims

1. Test piece, comprising at least two shaped probe elements and at least one connecting element for connecting the at least two shaped probe elements, wherein each connecting element is provided with at least one fastening element at one end of the connecting element for fastening a shaped probe element,

**characterised in that**

length variations of the at least two shaped probe elements and/or of the at least one connecting element are compensated by the fastening elements in such a way that the distance between respective two sensing points under standard measuring conditions is essentially constant.

2. Test piece according to claim 1, in which each fastening element comprises a material with a positive or negative thermal length expansion coefficient and the form and/or the dimensioning of each fastening element is chosen such that length variations of each shaped probe element and/or of each connecting element is compensated under standard measuring conditions.
3. Test piece according to one of the preceding claims, in which each fastening element comprises a first sectional element of a first material and a second sectional element of a second material, wherein the fastening element is arranged at the connecting element and the form and/or the dimensioning of both sectional elements is chosen in such a way that length variations of each shaped probe element and/or of each connecting element are compensated under standard measuring conditions.
4. Test piece according to claim 4, in which the first sectional element is designed as a hollow body.
5. Test piece according to one of the preceding claims, in which the connecting elements are designed rod-shaped.
6. Test piece according to one of the preceding claims, in which the shaped probe elements are designed ball-shaped.

7. Test piece according to one of the preceding claims, in which the shaped probe elements and the fastening elements are detachable connectable to one another.
8. Test piece according to claim 7, in which the detachable connection is realised by magnetic forces.
9. Test piece according to claim 8, in which the fastening elements comprise magnets for the formation of the magnetic connection.
10. Test piece according to one of the preceding claims, in which at least one shaped probe element is connected with at least two connecting elements.
11. Test piece according to claim 10, in which the connecting elements form the edges and the shaped probe elements form the corners of a tetrahedron.